

App. F. IX-4

Previous References

ArE 306-2's (1-2)

192 A. 2.

G. G.

P. 1222

File No. 41-2A

Serial Nos. 1-2

Later References

General and Revenue Secretariat.

Serial Nos.

1222

Part B for

March 28.

SUBJECT

Imagined Establishment attached to
Horticultural Department.

2-1820-1 21.1.29

To

Dir. of Horticulture &
Alger

Compt. to Govt. Hrs.
H. 102

Direct that the
be made permanent

1222

Serial
No.

19. 5. 04 5.

DEWAN'S OFFICE
25. JAN. 1929
No. 3336

1 Submitted with a draft sanctioning
the proposal of the Director of Horti.
as agents that the spraying Est. ^{which} may be made
permanent. Pages 1-2 of notes in file
No. D. H. 30625-2 ^{indicate} where the Est.
was first sanctioned.
18. 27. 12. 28.

28. 12. 28 I think a case has been made
out for making the staff permanent.
It has been doing useful work for 7 years
past, and has now permanent work
before it. The cost is Rs. 1400.

There is provision for it in the current
year's budget.

Dft of proposals is subd for
appl.

2^d Member

Dewan

Kungh & Co

WJ
3 1 29
C. H.
3/1

h
7.1.29
M. H.

C. H.
23/1/29

M.
27-1-29

Issue

29. 1. 29
21/1
Communicated

WJ
24. 1. 29
C. H.
24/1
29. 1. 29
C. H.
29/1

OFFICE OF THE
SECOND MEMBER OF COUNCIL
10 JAN. 1929
No. 5258

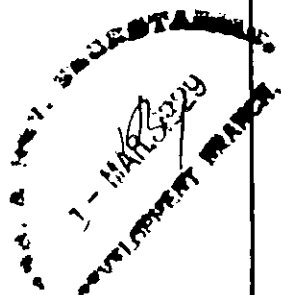
H. C. 1511

NOTE: Contn. sheet

Serial
No.

2

G. G. No. D. 7830.31 dated 31st January 1928
The Dir. of Lark. & Compt. di-
recting that the spraying Est. at
Lark. be made
permanent.



Telegraphic address
"Horti., Bangalore."

Urgent

DEPARTMENT OF HORTICULTURE,
MYSORE STATE.

Refer - to off 87 11/11
No. 1196 En 22/12/28

Lal-Bagh, Bangalore,

.....20.....December.....1928.

FROM

G. H. KRUMBIEGEL, Esq., F.R.H.S.,
DIRECTOR OF HORTICULTURE IN MYSORE, LAL-BAGH,
BANGALORE.

To

The Secretary to Govt. of His Highness
the Maharaja of Mysore,
Development Departments,
Bangalore.

G. H. 4/12-28-1
GEN. & RES. 1/12/28
24 DEC. 1928
DEVELOPMENT BRANCH.

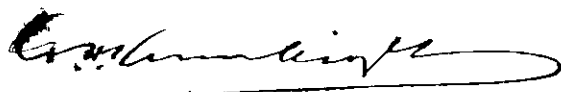
Sir,

N. With reference to G.O.No.I.C.7650-57 A & E_K sanctioning

the continuance of the Spraying establishment on a temporary basis for two years from 1st July 1926, I have the honor to state that this establishment has been doing very useful work in the investigation and control of various diseases of fruit trees. Information about the number of plants treated and the nature of treatment and the gardens visited are given in detail in the appendices of the Annual Administration Reports for the years 1926-27 & 1927-28 copies of which are attached for ready reference. Valuable results have been achieved by the staff in the development of Commercial Fruit Culture in this District. The American Blight or Woolly Aphis which destroyed more than 50% of the Apple gardens before the establishment of the Spraying Staff and which was a great impediment in the development of Apple cultivation since 1890, has been completely eradicated and now all the gardens are free from the pest. Our ryots are freely taking up the cultivation of superior varieties of Apples (Rome Beauty grafted on disease resisting stock) recommended by this Department. We are importing every year about 10,000 trees for fruit growers. As a result of improved methods of cultivation such as draining, wider planting, training, use of green and chemical manures recommended by this Department, the yield has enormously increased each tree --- producing as many as 30 dozen fruits in crop.

The other important pests controlled successfully are Orange and Lime stem boring beetle, grape vine Flea beetle and Mildew and White Ants, Mealy Bugs, Green Bugs and other Scale insects and Collar Rot attacking most of the fruit trees. Many of the advanced growers are using sprayers and insecticides and fungicides --- recommended by the Department. In addition to this outside work the staff also attends to the spraying in Government and Palace gardens. Another important work entrusted to the staff is the fumigation of incoming and outgoing plants with Hydrocynic gas. The Spraying staff has been doing very useful work for the last 7 years. There is great demand for technical help in Spraying from fruit growers and further, there is the permanent work such as fumigation and spraying work in the Departmental gardens for which we have not got the staff. In these circumstances I request you to be so good as to obtain the sanction of Government for making the staff permanent at an annual cost of Rs.1,400/- as noted below and instruct the Comptroller to pass the pay bills of the Spraying staff as the amount is provided in the current year's budget.

I have the honor to be,
Sir,
Your most obedient servant,



DIRECTOR.

7/2/00 ✓

Plant Disease Inspector @ 40/-.	..	Rs.480	0	0
2 Spraying Coolies @ Rs.15/-	..	360	0	0
Chemicals and contingencies	..	560	0	0
TOTAL Rs.		1400	0	0

APPENDIX. E.

Statement showing the treatment of Plant Diseases during the year 1927-28

No.	Diseases.	No. of gardens treated.	No. of plants treated.	Plants attacked.	Treatment
1.	Citrus borer	19	4,300	Lime, Lemon, Orange, Pumelo, Citron, etc.	Attacked shoots were pruned & burnt & were killed by inserting into the hole a piece of cotton dipped in a mixture of 2 parts of chloroform 1 part of creasote & then the hole was closed with grafting wax.
2.	Green bug & Sootymould	25	877	Fruit trees, Aegle, caramelos Strychnous Noxvomina, various creepers citurs, Curree etc.	Sprayed with Fish Oil Rosin Soap Solution.
3.	Mealy bugs.	23	1,099	Acalyphas, Hibiscus, Coleus, Fruit trees, Croton, Palms etc	Sprayed with Fish Oil Rosin Soap Solution.
4.	Plant Lice	15	833	Cabbage-Chrysanthemums, Citrus-Hibiscus, etc.	Sprayed with Fish Oil Rosin Soap Solution & Tobacco Decoction.
5.	Various Scale Insects.	22	2,706	Foliage plants, Roses, Apples, Orchids, etc., etc., etc.	Sprayed with Lime Sulphur solution.
6.	Other Stem boring Insects.	2	60	Apple, Roses, Murraya, Forest trees, Cassia, etc.	Treated with a mixture of Chloroform and Creasote.
7.	White-ants.	15	2,600	Forest and Ornamental trees and Ant-hills.	Ant hills were fumigated with 'Ant Exterminator' and trees were smeared with a mixture of red earth, Cow-dung and precipitated sulphur in a little tar water.
8.	Leaf eating Caterpillars	10	2,000	Chrysanthemum, Oak, etc., Dombeya, Forest trees.	Hand picked and sprayed with a mixture of arsenate of lead solution and Rosin sticker.
9.	Cockchafer beetles	12	2,026	Roses and Apples	Hand picked and sprayed with a mixture of arsenate of Bordeaux and Arsenate of Lead solution.

Hand picked and sprayed with

11. Brown Bugs.
12. Leaf eating beetles
13. Mildew
14. Other fungus diseases.
15. Mango Hoppers

hibiscus, Coffee & ~~Thunbergia~~
creepers.
Grape, Rose & Apples.
Roses and Grape vines.
Mango trees

Sprayed with Fish Oil Rosin Soap solution. & sprayed with a mixture of Bordeaux and Lead Arsenate solution.
Sprayed with Bordeaux mixture.
Sprayed with Bordeaux mixture.
Sprayed with Fish Oil Rosin Soap Solution.

16. For all diseases.

Various plants

Fumigated with Hydrocyanic Acid Gas.

17. ^{Pre}cautionary

Apples, Grapes, ~~Roses~~ etc.

Sprayed with Bordeaux mixture and Lead Arsenate solution.

18. Color rot

Apples

Speared the stems with Lime Sulphur solution.

19. Sudden

Apples

Smearred the stems with Bordeaux Mixture.

186

29,456

2



W. J. G. J.

DIRECTOR OF HORTICULTURE.

1912.12.18

1912

Statement showing the treatment of Plant Diseases during the year 1926--27.

No.	Diseases.	No. of gardens.	No. of plants treated	Plants attacked.	Treatment.
1.	Citrus stem boring Grub	19	4,408	Lime, Lemon, Orange, Kumelo, Citron Etc.	Attacked shoots were pruned and burnt and adults were killed by inserting into the hole a piece of cotton dipped in a mixture of 2 parts of chloroform & 1 part of creasote and then the hole was closed with grafting wax.
2.	Greenbug & sooty Mould	23	783	Fruit trees, Aegle marmelos, Noxvomica, Various creepers, Citrus Coffee etc.	Sprayed with Fish oil rosin soap solution.
3.	Mealy bugs.	26	1,441	Acalyphas, Hibiscus, Coleus, Fruit trees, crotons, Palms Etc.	Sprayed with Fish Oil Rosin Soap solution.
4.	Plant Lice	11	518	Cabbage, Chrysanthemums, Citrus, Hibiscus etc.	Sprayed with Fish oil Rosin Soap solution and tobacco Decoction.
5.	Various Scale Insects.	20	1,936	Foliage plants, Roses, Apples, Orchids, Meyenias, Coleus, Apple	Sprayed with Lime sulphur solution
6.	Other stem boring insects	7	86	Apple, Roses, Murray, Forest trees, Cassias	Treated with a mixture of chloroform & Greasote.
7.	White ants.	14	1,556	Forest & ornamental trees & Anthills.	Ant hills were fumigated with "Ant Exterminator" & trees were smeared with a mixture made of red earth, cowdung & precipitated Sulphur in a little of tar water.
8.	Leaf eating Caterpillars	14	2,244	Chrysanthemums, Oak, Cabbage Dombeya, Forest trees.	Hand picked & sprayed with a mixture of arsenate and of dead solution & Rosin sticker.
9.	Cockchafer beetles	11	1,855	Roses and Apples	Hand picked & sprayed a mixture of arsenate and of dead Apples

10. Mildew	15	• 3,862	Grape, Rose & Apple	Solution.
11. For all diseases	-	2,470	various plants	Sprayed with Bordeaux mixture
12. Flea beetles	3	43	Grapevines	Fumigated with hydrocyanic acid gas
13. Brown bugs	9	187	Hibiscus, Coffee & Rhun- bungeo creepers.	Handpicked & Sprayed with Lead arsenate solution
14. Leaf eating beetles	2	110	Roses	Sprayed with of a Rosin soap solution
15. Other Fungus deases	6	416	Roses & Grape vine	Hand picked & sprayed with a mixture of Bordeaux & Lead arsenate solution.
16. Mango hoppers	8	48	Mango trees	Sprayed with Bordeaux mixture
				Sprayed with Fish oil Rosin Soap solution.

W. J. J. J.
27/12/28.
Director of Agriculture

G.R.S. App. F VI G-2]

SUBJECT.....

Diary No. of letter replied to.....

Sec G. G.

File No. 4 28.

Serial No. 2

General and revenue Secretariat

the

192

Proceedings of the Government of
His Highness the Maharaja of Mysore.

Date of issue.....

31/1/28

Signed by.....

Mr. C. S. W. Srinivas

Read— G. V. M. D. 7 B. S. D. 51 A. S.
30th 25-2, 8th 5th May 1928,
Sanctioning the continuation
of the Spraying Est. for two
years from 1st July 1928.

(2) Letter no. 119 B, 8th 5th Dec.
1928 from the Dir. of Hort.,
submitting a report of work
done for Spraying Est. and
recommending that

Order Thereon—No.

the establishment for spraying
work may be made permanent
with an annual cost of Rs. 1400/-,
as noted in the margin

order 7830-31

The recommendation of

The Director of Hort. is
sanctioned. Necessary

May this be

i. Reporting that the spraying
staff has done useful work for
7 years past, and that it
has been published in the Gazette,
Kannada Part?

iv. translated?

v. placed at the disposal of the press?

vi. published in the Gazette,
Kannada Part?

Blanket order

B. A.

Inspector at Rs. 400 p.m. 480

2 Spraying Coolies @ 15/- 360

Chemicals & Conduits 560

1400

provision has been made in
the current year's Budget of
the Garden Dept. ~~The office~~

H. F.
to Secy.

70

The win. of Anti.

a Compt. ~~and~~ T. D.

66.27.12.28.

S. O.
28/12

List of enclosure.

Copied by

Examined by

P.B 229

Government of His Highness the Maharaja
of Mysore.

GENERAL AND REVENUE DEPARTMENTS



G. O. No. D-783 D-31 G.G. DATED 31st January 1929.
41-28-2

May this be

- i. printed?
- ii. treated as a standing order?
- iii. published in the Gazette English Part?
- iv. translated?
- v. placed at the disposal of the press?
- vi. published in the Gazette Kannada Part?

yes-

no-

no-

no-

no-

no-

V.S.

Cur.
2/1/29

Spraying Establishment.

Direct that the _____ attached to the
Cultural Department be made permanent.

Government of his highness the Maharaja of Mysore.

GENERAL AND REVENUE DEPARTMENTS.

G. O. No. D. 7830-31—G. G. 41-28-2, dated 31st January 1929.

Spraying Establishment.

Directs that the — attached to the Horticultural Department be made permanent.

READ—

Government Order No. D. 7650-51—A. & E. 306-25-2, dated the 5th May 1926, sanctioning the continuance of the Spraying Establishment for two years from 1st July 1926.

2. Letter No. 1196, dated the 20th December 1928, from the Director of Horticulture, reporting

Plant Disease	Per annum Rs.
Inspector on Rs. 40 per mensem	... 480
Two Spraying Coolies at Rs. 15 per mensem	... 360
Chemicals and Contingencies	... 560
Total	... Rs. 1,400

that the spraying staff has done useful work for 7 years past, and that it has work of a permanent nature before it, and recommending that the establishment for spraying work may be made permanent with an annual recurring cost of Rs. 1,400 as noted in the margin.

ORDER No. D. 7830-31—G. G. 41-28-2, DATED 31ST JANUARY 1929.

The recommendation of the Director of Horticulture is sanctioned. Necessary provision has been made in the current year's budget of the Gardens Department.

[Signature]
Secretary to Government,
Development Departments.

To—The Director of Horticulture in Mysore.
The Comptroller to Government, through the Financial Secretariat.

Exd.—P. S. R. N.